



CINCINNATI
STREETCAR™

MONTHLY REPORT

May 2015

REFERENCES

- For background information on the Cincinnati Streetcar, please go to <http://www.cincinnati-oh.gov/streetcar/>
- For previous months' reports, please go to <http://www.cincinnati-oh.gov/streetcar/documents-references/>
- For an archive of weekly progress updates, please go to <http://www.cincinnati-oh.gov/streetcar/news/>



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ACRONYMS

CFD	Cincinnati Fire Department
CPD	Cincinnati Police Department
CBD	Central Business District
DBE	Disadvantaged Business Enterprises
FAI	First Article Inspection
FLSSC	Fire Life Safety and Security Committee
FTA	Federal Transit Administration
MOF	Maintenance And Operations Facility
MPD	Messer, Prus, Delta Rail Joint Venture
OCS	Overhead Contact System
ODOT	Ohio Department of Transportation
OUPS	Ohio Utility Protection Service
PMOC	Project Management Oversight Consultant (FTA's)
SORTA	Southwest Ohio Regional Transit Authority
SSRC	Safety and Security Review Committee
TANK	Transit Authority of Northern Kentucky
TPSS	Traction Power Substation
TVM	Ticket Vending Machine
WTM	Wheel Truing Machine

PROGRESS SUMMARY



Stop 5a under construction at Twelfth and Main Streets

PROGRESS SUMMARY

- Civil construction has continued within schedule to start operations in September 2016. The project has continued to be within its appropriated budget.
- The construction contract has required continual monitoring to insure eventual compliance with its Disadvantaged Business Enterprise (DBE) target. This monitoring has included requesting MPD to confirm their DBE plan and the certifications of the DBE firms on the job. One of their DBE firms is under review by ODOT, the certifying agency in Ohio.
- In a similar fashion, the Administration has continued to be concerned with CAF's progress and how this affects CAF's ability to deliver vehicles on time due to delays in testing of certain critical components. The project team continues to monitor CAF's progress closely through on-site inspection and multiple video-conference calls.



PROGRESS SUMMARY

- Utility construction, both under the City's contract with Messer-Prus-Delta Rail Joint Venture (MPD) and through third party utilities is nearly complete and projected to be within their respective budgets.
- There were no Lost time Accidents in May, bringing the total worked without one to 135,497 hrs.
- Track concrete and rail installation was completed on Walnut, a major milestone in the CBD loop.
- Concrete work on Stop #5A at Main and Twelfth Sts. began and was completed during the month.



PROGRESS SUMMARY

- Bus pads and miscellaneous sidewalk, curb and handicapped ramp restoration continued on Walnut from Third St. to Central Parkway in preparation for asphalt paving.
- Various electrical work continued including traffic signal and snowmelter cabinet work for the track switches on Race St., Henry to Twelfth Sts.



2.1 CONSTRUCTION CONTRACT SCHEDULE

- Maintenance and Operations Facility (MOF) and test track completion – March 21, 2015 (Achieved)
- Over-The-Rhine Loop Completion – July 19, 2015
- Completion of all work – April 4, 2016
- Revenue Service start – September 15, 2016 (unchanged from original construction contract with MPD)
- Work on schedule to meet the above deadlines.
- Summary schedule follows



MAY 2015 SCHEDULE SUMMARY

ID	Description	Original Duration	Start	Finish	Area	2015				2016					
						Jul	Aug	Oct	Dec	Jan	Mar	May	Jul	Aug	
Elm/ 12th to Henry															
1	MOT/Road Removal/Trackwork Start	1	09/16/13A	09/16/13A	Elm/ 12th to Henry										
2	Track/Road Complete	1	01/09/14A	01/09/14A	Elm/ 12th to Henry										
Race/ Elder to 12th															
3	MOT/Road Removal/Trackwork Start	1	12/26/13A	12/26/13A	Race/ Elder to 12th										
4	Track/Road Complete	1	04/01/14A	04/01/14A	Race/ Elder to 12th										
Central/ Race to Main															
5	MOT/Road Removal/Trackwork Start	1	03/24/14A	03/24/14A	Central/ Race to Main										
6	Track/Road Complete	1	06/18/14A	06/18/14A	Central/ Race to Main										
12th/ Main to Elm															
7	MOT/Road Removal/Trackwork Start	1	04/21/14A	04/21/14A	12th/ Main to Elm										
8	Track/Road Complete	1	07/17/14A	07/17/14A	12th/ Main to Elm										
OTR Turns and Diamond															
11	MOT/Road Removal/Trackwork Start	1	06/30/14A	06/30/14A	OTR Turns and Diamond										
12	Track/Road Complete	1	08/13/14A	08/13/14A	OTR Turns and Diamond										
MOF Area Turn Outs															
9	MOT/Road Removal/Trackwork Start	1	08/28/14A	08/28/14A	MOF Area Turn Outs										
10	Track/Road Complete	1	12/31/14A	12/31/14A	MOF Area Turn Outs										
Walnut/Central to 2nd															
13	MOT/Road Removal/Trackwork Start	1	08/11/14A	08/11/14A	Walnut/Central to 2nd										
14	Track/Road Complete	1	05/18/15	05/18/15	Walnut/Central to 2nd										
2nd Street and Bridges															
15	MOT/Road Removal/Trackwork Start	1	09/02/14A	09/02/14A	2nd Street and Bridges										
16	Track/Road Complete	1	11/05/15	11/05/15	2nd Street and Bridges										
Main/2nd to 12th															
17	MOT/Road Removal/Trackwork Start	1	03/30/15A	05/01/15	Main/2nd to 12th										
18	Track/Road Complete	1	09/24/15	09/24/15	Main/2nd to 12th										
OTR															
20	3000' Test Track	0		03/20/15A	OTR Test Track										
25	MOF Complete	0		03/20/15A	OTR Complete										
30	Power and Stations - OTR	0		07/17/15	OTR										
CBD															
50	Power, Stations, Paving, and Closeout - CBD	0		04/04/16	CBD										
60	Pay Service Available	0		09/30/16	CBD										

Start Date: 01/01/13
Finish Date: 09/30/16
Data Date: 06/01/15
Run Date: 05/02/15

Cincinnati Streetcar
Contract #121C009060
June 1, 2015 - Project Schedule

MPD

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2.2 TRACKWORK & ASSOCIATED CONSTRUCTION

- Extensive effort & coordination enabled MPD to complete the trackwork on Walnut in time to cleanup for the Memorial Day and Taste of Cincinnati weekend in late May.
- Exploratory potholing took place on Main, Third to Sixth Sts. and on Walnut and Third Sts.
- Pavement removal for trackwork took place on Walnut at Third Street and on Main, Sixth to Ninth Sts.
- In May MPD finished track concrete and rail installation on Walnut Street.
- Trackwork continued on Main from E. Court to Seventh Streets .
- MPD started and completed concrete work on Stop #5A at Twelfth and Main Sts.



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION

- In preparation for paving Walnut St. from Third to Central Parkway damaged bus pads were removed and replaced near Sixth and at Central Parkway along with miscellaneous sidewalk, curb and handicapped ramp restoration.
- Crosswalk paving replacement was done at Third & Walnut.
- MPD installed railings at Stops #15 (Public Library on Walnut St. and #16 (Seventh and Walnut Sts.) in May.
- Asphalt milling prior to paving work took place on Race from Findlay to Green Sts., on Twelfth from Main to Elm Sts., on Central Parkway from Race to Walnut Sts. and on Walnut from Third to Fifth Sts.
- Follow-on asphalt resurfacing work occurred on Race from Findlay to Green Sts, on Twelfth from Main to Elm Sts. and on Central Parkway from Race to Walnut Sts.



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION

- Permanent pavement striping & associated signage took place around the OTR loop in May.
- Sidewalk pavers were restored at Walnut between Sixth and Seventh Sts and began around TPSS #2 at Walnut and E. Court Sts.
- Concrete site work was completed and fencing installed around TPSS #1 in the Riverfront Transit Center.



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION PROGRESS DETAILS

AS OF MAY 30, 2015

• Revenue Track Complete	1171.64 of 18,600 ft. (87%)
• OCS Pole Foundations	289 of 317 complete (91%)
• OCS Poles	258 of 328 complete (79%)
• Traffic Signal Foundations	91 of 96 complete (95%)
• Traffic Signal Poles	82 of 95 complete (86%)
• Lane Miles Paved	6 of 14 complete
• Station Stop platforms	14 of 18 complete
• Traction Power Substations	4 of 4 delivered
• Special Trackwork	12 of 12 switches installed



CONSTRUCTION STATUS

Track:

- Complete Through May 31



OCS:

- Complete Through May 31



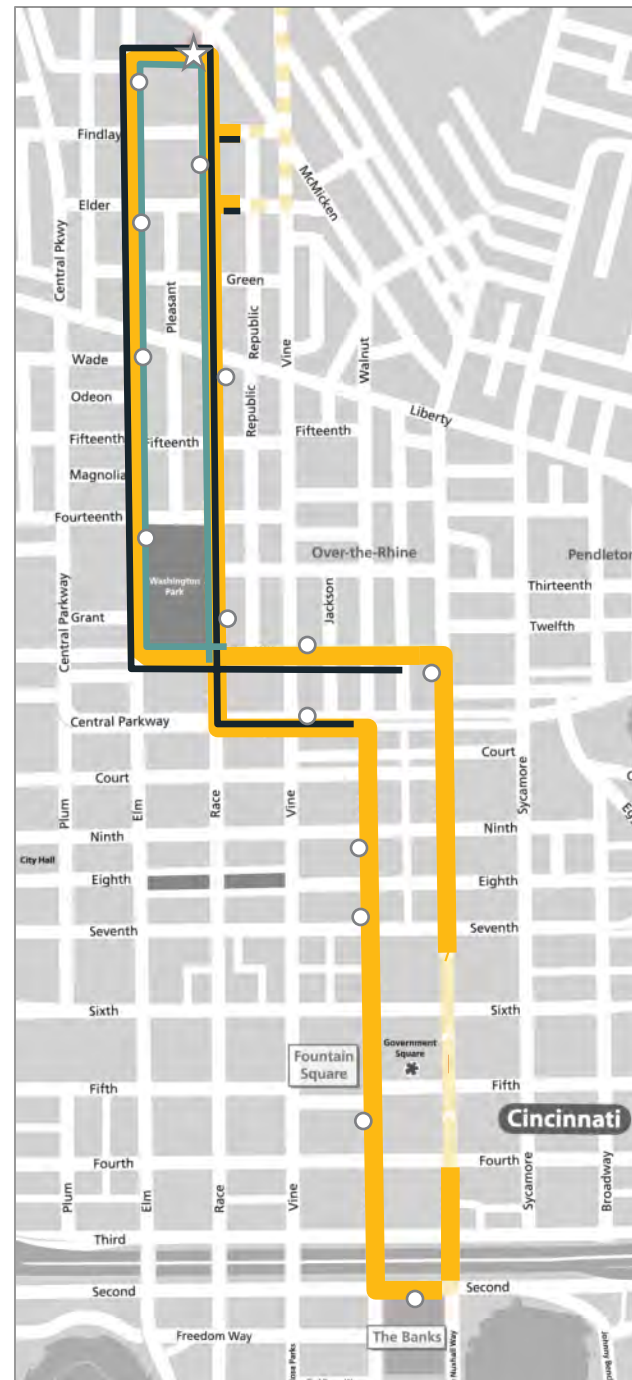
Paving:

- Complete



Stops:

- Complete



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Main St. track reinforcing steel installation at E. Court St.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Setting the rubber boot on the Main St. rail crossing Court Street

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Welding the Main St. rail crossing Eighth St.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Main Street concrete trackslab crossing Eighth St.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Walnut St. trackslab connecting the bridge approach over Fort Washington Way to Third St.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Final Walnut St. trackslab construction between Third and Fourth Streets

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Inner workings of a turnout track switch on Henry Street

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Stop 5a at Twelfth and Main Sts. under construction

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Stop #15 on Walnut St at the Public Library nears completion

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Crosswalk and pavement replacement on Walnut at Third St.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Pavement milling prior to resurfacing on Walnut crossing Fourth St.

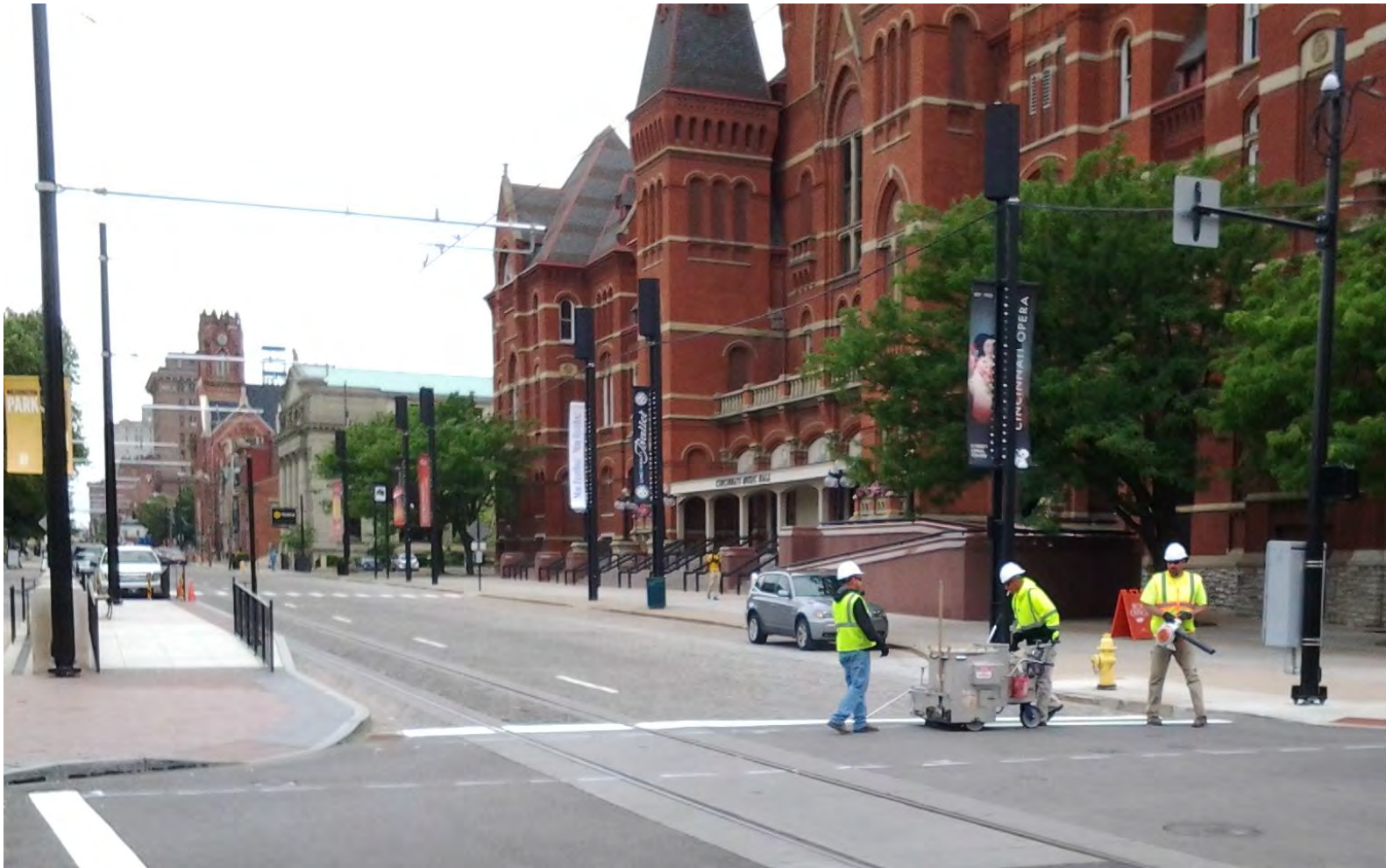
2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Twelfth Street Repaving



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Pavement markings on the south leg crosswalk at Elm and Fourteenth Sts.

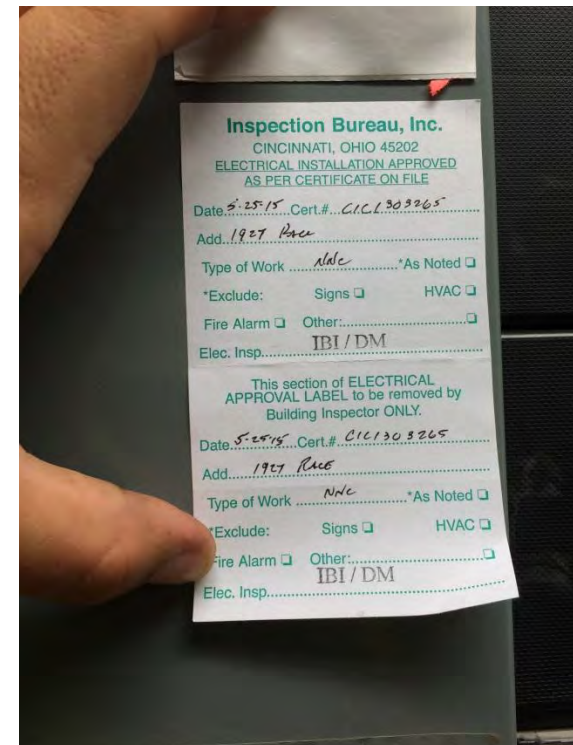
2.3 MAINTENANCE & OPERATIONS FACILITY



The MOF in May 2015

2.3 MAINTENANCE & OPERATIONS FACILITY

Because work items remained that were either owner increased scope or weather dependent when the MOF was conditionally accepted as substantially complete effective March 21, that work continued in May along with punch list items. Major accomplishments in May included receiving final inspection sign-off by the Inspection Bureau Incorporated (IBI) on all electrical work.



A view into the MOF electrical room and the IBI final signoff

2.3 MAINTENANCE & OPERATIONS FACILITY



Filling the access stair pans with concrete in the narrow maintenance pit

2.4 UTILITY WORK

Utility work, including street and sidewalk is wrapping up:

- Duke Electric 99% complete
- Duke Gas 99% complete
- Cincinnati Bell 99% complete
- Water 99% complete
- Level 3 100% complete
- Chilled Water 100% complete
- Time Warner Cable 99% complete
- MSD (Sewer) 95% complete



2.4.1 CONTRACT UTILITY WORK

- Storm sewer work by MPD took place in May on Main, Sixth to Seventh Sts.
- Traffic control conduits and associated restorations occurred on Main, Second to Eighth Sts. and on Walnut, Fourth to Fifth Sts.
- In May Traffic signal work took place on Walnut and Second as well as from Fifth to Sixth Sts., Seventh to Ninth Sts.
- In addition, traffic signal work took place on Main at Second St., at Twelfth and Race Sts. and Central Parkway and Vine St.
- Pole foundations were placed on Walnut near Fourth St. and on Main from Seventh to Twelfth Sts.



2.4.1 CONTRACT UTILITY WORK

- OCS poles were set on Walnut from Second to Seventh Sts.
- OCS wire installation continued on Race from Henry to Twelfth Sts. and on Twelfth from Race to Elm Sts.
- Traffic signal and snowmelter cabinet work occurred on Race from Henry to Twelfth Sts. in May.
- Work on power conduit and cabling took place at TPSS #1 (Riverfront Transit Center) and at Stops #1 (The Banks) and #5A (Twelfth and Main Sts.).



2.4.1. CONTRACT UTILITY WORK



Traffic conduit work at Fourth and Main Sts and OCS pole erection at Second and Walnut Sts.

2.4.1. CONTRACT UTILITY WORK



Traffic signal installation at Second and Walnut and Second and Main Sts.

2.4.1. CONTRACT UTILITY WORK



TPSS #1 in the Riverfront Transit Center with newly installed railings

2.4.2 THIRD PARTY UTILITY WORK

- Duke Energy continued street and sidewalk restoration.
- Time-Warner continued their cleanup of their system in Over-the-Rhine
- Cincinnati Bell continued manhole adjustments in conjunction with trackwork
- All other utility companies are virtually complete except for minor restoration or casting adjustments that will occur with the street repaving operation.



2.5 COMMUNITY INVOLVEMENT

- In an effort to produce as finished an appearance as possible for the multi-day All Star Game Celebration, through detailed planning MPD targeted specific contract work to be completed prior to the events.
- In cooperation with RoadmapCincy a media alert and availability was held on May 7 to alert the media to upcoming street closures
- A Stakeholders Meeting was held on Wednesday 5/12/15 at the Aronoff Center.
- The next session was scheduled for Wednesday 6/10/15, again at the Aronoff Center.
- Because of multiple hotels and garage access points and other ongoing building renovation in the area, extensive communication and coordination took place with all building management firms and businesses south of Fifth on Walnut to enable completion of the Walnut Street tracks.
- Roadmapcincy attends DCI's sector meetings as required and produces media alerts covering critical construction work.



2.5 COMMUNITY INVOLVEMENT

- The Project Team continued regular coordination meetings with the City Manager, the Police Department and the public information office.
- MPD and City staff continued to canvas various blocks along the route to inform residences and businesses of upcoming work.
- Open for Business signs followed locations impacted by utility and track work throughout the route.
- The Team presented to the City Council Major Transportation Committee on May 27 as part of their initiative to keep City Council informed on the project.
- The team met with the Director of Transportation and Engineering to continue work on bicycle safety and the streetcar.
- Discussions continued with Queen City Bike and Red Bike Cincinnati.



2.6 MPD BILLINGS – MAY 2015

Bid Form Section	Total	Prev. Incurred	April (Net ret)
Behind the Curb Work	\$1,456,894	\$45,967	\$7,535
Central Parkway Median	\$116,455	\$118,106	\$0
Civil, Roadway and Drainage	\$10,445,950	\$7,715,248	\$503,310
Communication System	\$1,228,959	\$214,561	\$0
Corrosion Control	\$354,682	\$248,277	\$17,734
Misc. Items	\$5,075,000	\$3,805,256	\$108,073
MOF Civil and Track	\$3,170,177	\$3,075,027	\$8,925
MOF	\$8,744,492	\$8,430,956	\$6,243
OCS Mainline	\$5,502,798	\$3,643,509	\$308,821
Signal System Streetcar	\$669,588	\$465,653	\$46,315
Streetcar Stop Shelters and Sitework	\$2,243,714	\$1,329,984	\$96,830
Trackwork on Grade	\$13,018,686	\$10,921,448	\$669,767
Trackwork on Structures	\$2,950,663	\$2,612,775	\$41,656
Traction Power	\$6,566,003	\$5,410,531	\$95,161
Traffic Signals and Lighting	\$4,793,179	\$2,903,841	\$366,244
Water Main - Main Street	\$2,508,352	\$2,365,838	\$20,128
Water Main - Walnut Street	\$2,046,457	\$1,785,236	-\$5,130
CO#1	\$492,933	\$173,979	\$0
CO#2	\$100,000	\$52,861	\$0
CO#3	\$359,745	\$444,750	\$10,500
CO#4	\$265,211	\$78,760	\$0
CO#5	\$637,108	\$637,108	\$0
CO#6	\$313,782	\$128,782	\$0
CO#7	\$67,630	\$62,984	\$0
CO#8	\$19,974	\$168,066	\$0
Totals:	\$73,148,433	\$56,839,505	\$2,302,111

3.0 VEHICLES

- 4 carshell bodies have arrived in Elmira in various stages of production
 - LTK is monitoring concerns about testing/QA/QC activities
 - Window glass distortion
- Some recent tests identified deficiencies requiring modifications and/or additional test activities
 - Friction brake qualification testing – dynamometer test
 - HVAC Shock & Vibration test – initial shear failure during longitudinal test
 - CAF/Merak have proposed design modification; retest scheduled for June 2-5
 - Truck FAI – Open items in process
 - Friction brake Dyno test is critical
- These could impact delivery schedule
 - Latest CAF schedule still shows delivery of Unit #1 in September 2015
 - LTK inspectors have indicated that this schedule is very optimistic
 - City, LTK, CAF are working to determine impact of testing items on overall delivery schedule



3.1 VEHICLE SCHEDULE

- CAF 's most recent Progress Report indicates that vehicle production remains on schedule to meet the deadlines established in August 2014 Change Order reflecting the schedule impacts of the December 2013 City Council-mandated “pause” on the vehicle contract.
- However, based on progress reports from the City’s inspectors, it appears that CAF is running behind schedule for delivery of the first vehicle. Rough estimates from the City’s inspectors put this delay at approximately four weeks.
- The City and LTK are working to determine with CAF the full extent of any projected delay at this point and to identify means by which it can be mitigated. The City has requested an updated schedule from CAF. The delay appears to be the result of delays from CAF sub-suppliers as well as testing activities which required retest or design modifications due to initial testing failures.
- City and LTK continue to closely monitor CAF’s performance and work with CAF to recover time in the schedule where possible. Significant delays could impact the revenue service date or result in costs affecting the project budget. The City and SORTA are working to identify and mitigate any impact on construction, revenue service, or project budget.

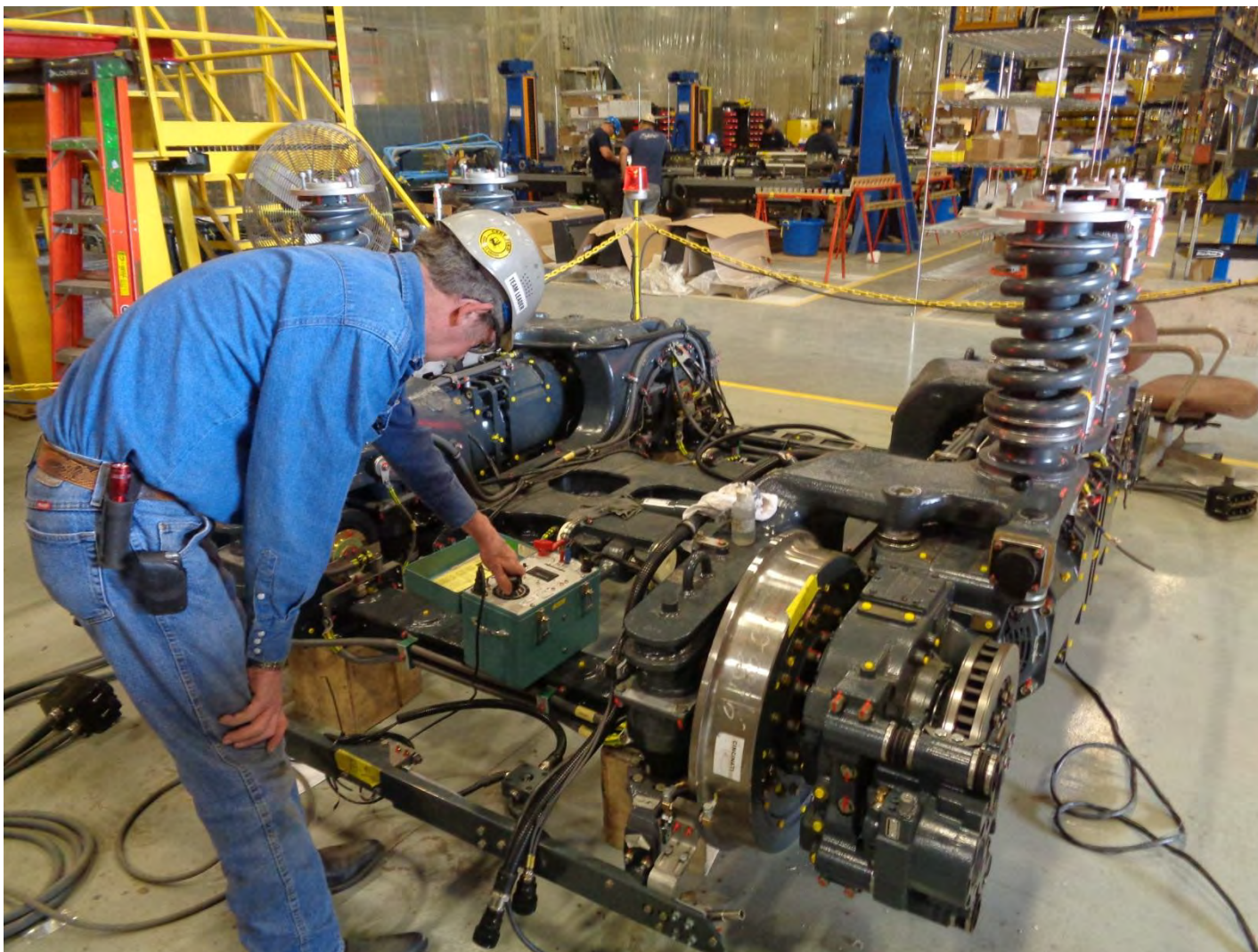
Milestone	Contractual Late Date
Delivery of 1 st Car	September 17, 2015
Delivery of 2 nd Car	October 17, 2015
Delivery of 3 rd Car	November 17, 2015
Delivery of 4 th Car	November 17, 2015
Delivery of 5 th Car	December 17, 2015

3.2 DESIGN & PRODUCTION ACTIVITIES



Cincinnati Car 1 being prepared for testing

3.2 DESIGN & PRODUCTION ACTIVITIES



Megger testing the insulation of the truck cabling

3.2 DESIGN & PRODUCTION ACTIVITIES



LTK inspectors conduct inspection of truck units with CAF quality team.

3.2 DESIGN & PRODUCTION ACTIVITIES



Cincinnati Car 1 being prepared for testing

3.2 DESIGN & PRODUCTION ACTIVITIES



Windshield glass being installed on Unit #2

3.2 DESIGN & PRODUCTION ACTIVITIES



Interior installations work is performed.

3.2 DESIGN & PRODUCTION ACTIVITIES



HVAC unit shock and vibration testing. When initially performed, this test identified a failure that required a design modification and retesting.

4.0 BUDGET & EXPENDITURES

- Through May 31, 2015:
 - \$88,691,618.80 has been expended on the project (not including Duke escrow)
 - \$37,608,958.63 remains encumbered against open contractual obligations on the project
- Major Contract Activity:
 - Eight change orders to the MPD construction contract have been issued totaling \$2,256,383.35
 - Two change orders to the CAF vehicle contract have been issued totaling \$0
 - See Appendix A for breakout of Contingency Usage



BUDGET VS. EXPENSES

THROUGH 5/31/15

BUDGET - June 2013		EXPENSES 5/31/2015		
Budget Category	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Pre-Development	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
Design	\$ 14,598,719.00	\$ 14,313,044.86	\$ 23,132.15	\$ 14,336,177.01
Real Estate	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Construction	\$ 52,511,908.33			
MOF	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ 55,371,634.90	\$ 16,013,348.03	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 2,569,638.41	\$ 3,097,219.73	\$ 5,666,858.14
Vehicles	\$ 25,213,095.40	\$ 6,920,947.19	\$ 16,053,872.56	\$ 22,974,819.75
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,441,476.27	\$ 2,805,131.94	\$ -	\$ 2,805,131.94
SORTA Project Administration	\$ 2,100,000.00	\$ 879,321.10	\$ 1,120,678.90	\$ 2,000,000.00
Start-up	\$ 250,000.00	\$ -	\$ -	\$ -
Unallocated Contingency	\$ 4,991,010.00	\$ 2,556,086.27	\$ 1,251,549.39	\$ 3,807,635.66
Subtotal	\$ 133,078,277.97	\$ 88,691,618.80	\$ 37,608,958.63	\$ 126,300,577.43
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Grand Total	\$ 148,078,277.97	\$ 103,691,618.80	\$ 37,608,958.63	\$ 141,300,577.43

* *Construction* Expenditures include \$2.95 Million in unreleased retainage on MPD contract .
Vehicle Expenditures include \$256,465 in unreleased retainage on CAF contract

CONTINGENCY USAGE SUMMARY

THROUGH 5/28/15

Through:	May 28, 2015				
Budget Category	Contingency Budget	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
ALLOCATED CONTINGENCY					
Pre-Development	\$ -	\$ -			\$ -
Design	\$ 202,370.96	\$ -			\$ 202,370.96
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000.00	\$ 1,308,411.32	\$ 146,468.00	\$ 10,000.00	\$ 535,120.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ -			\$ 77,207.23
Vehicles	\$ 2,101,722.40	\$ -	\$ 1,000,000.00		\$ 1,101,722.40
Fare Vending	\$ 50,000.00	\$ -			\$ 50,000.00
City Project Administration	\$ 190,800.63	\$ -	\$ 190,800.63		\$ -
SORTA Project Administration	\$ 100,000.00	\$ -			\$ 100,000.00
Start-up	\$ -	\$ -			\$ -
Subtotal	\$ 4,722,101.22	\$ 1,308,411.32	\$ 1,337,268.63	\$ 10,000.00	\$ 2,066,421.27
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,385,418.50		\$ 330,000.00	
Construction	\$ 4,991,010.00	\$ 1,763,450.35		\$ 988,915.00	\$ (1,063,158.26)
City Project Administration			\$ 977,436.10		
Design		\$ 608,948.31			
Subtotal	\$ 4,991,010.00	\$ 3,757,817.16	\$ 977,436.10	\$ 1,318,915.00	\$ (1,063,158.26)
Utilities (Duke Escrow)	\$ -				\$ -
Grand Total	\$ 9,713,111.22	\$ 5,066,228.48	\$ 2,314,704.74	\$ 1,328,915.00	\$ 1,003,263.01

4.1 FEDERAL GRANT ACTIVITY

- Through May 31, 2015:
 - \$32,126,090 has been drawn (or submitted for draw) on the \$45.2 million in federal grants.
 - Approximately 71.1% of the federal grants have been drawn
 - Two of the four federal grants have been closed out: CMAQ and SORTA Rail ROW



GRANT DRAWDOWN SUMMARY

Through 5/31/15

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453	\$ -	\$ -
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 700,252	\$ 50,825	\$ 637,468
		12.23.03	Construction	\$ 7,600,000	\$ 7,600,000	\$ -	\$ (0)
		12.13.20	Vehicles	\$ 16,000,000	\$ 4,775,160	\$ 527,526	\$ 10,697,314
Subtotal				\$ 24,989,998	\$ 13,076,865	\$ 578,351	\$ 11,334,782
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000		\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Rail ROW Grant	OH-90-X265	13.73.00	Contingency	\$ 268,278	\$ 268,278		
Subtotal				\$ 268,278	\$ 268,278	\$ -	\$ -
TIGER 3	OH 79-0002	12.79.00	City Project Admin.	\$ 154,545	\$ 154,545	\$ -	\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 3,130		\$ 208,323
		12.23.03	Construction	\$ 15,554,000	\$ 10,028,332	\$ 4,016,588	\$ 1,509,080
Subtotal				\$ 15,919,998	\$ 10,186,008	\$ 4,016,588	\$ 1,717,402
TOTAL				\$ 45,178,274	\$ 27,531,151	\$ 4,594,939	\$ 13,052,184

•*Drawn + Pending* = 71.1% of Federal grant funds

5.0 JOB SITE SAFETY

- All on-site workers received project stickers and safety vests to identify them as part of the project team following their orientation.
- No lost time accidents were reported in May.
- Most minor incidents continue to involve utility damage because of miss-marked or un-marked facilities. Old street-lighting conduits are a particular problem.
- The Team has continued to work with Ohio Utility Protection Service (OUPS) and the Department of Public Services to insure up to date information and careful excavation by the contractors, both MPD and Third Party Utility Companies.
- The project participated in the national OSHA Fall Protection Stand Down in May with all workers attending specific Toolbox Talks.



5.0 JOB SITE SAFETY

- Safety Oriented-To date: 809
- Safety Oriented-May: 28
- Safety Orientations-May: 9
- Total man-hours worked to date: 236,796
- Total man-hours worked without a lost time accident: 135,497
- Lost Time Accidents-To date: 3
- Lost Time Accidents-May: 0
- Incidents-To date: 129
- Incidents-May: 11



5.0 JOB SITE SAFETY

- Sunesis Construction received the Safe Contractor of the Month in May.



6.0 SORTA ACTIVITIES

6.1 Operations & Maintenance

- Following receipt of proposals for RFP 43-14 Streetcar Operations and Maintenance (O&M) Services on March 30 and began the evaluation process in April, continuing through May.
- Internal SORTA Rail Activation Committee meetings continue and are focused on the development of Standard Operating Procedures for each Department to integrate streetcar operations into Metro.
- Following notice to proceed (NTP) for the Streetcar Operations and Maintenance contractor the contractor staff will become a critical participant in these meetings.



6.0 SORTA ACTIVITIES

6.2 Fare Equipment

- SORTA staff continued to work with City staff on the final details of Amendment #6 of the Streetcar Intergovernmental Agreement. This will include the purchase of the TVM units, installation of the TVM units, and associated hardware to support wireless network communication and security cameras.
- SORTA anticipates executing Amendment #6 with the City of Cincinnati and the purchase contract with SPX/GFI in June 2015 as previously approved by the Board of Trustees.



6.0 SORTA ACTIVITIES

6.3 Streetcar Vehicle Equipment

- CAF USA (the Streetcar vehicle manufacturer) continues to install SORTA Trapeze equipment into the vehicles in production. This equipment provides the radio communication, vehicle dispatching, GPS positioning and automatic passenger counting functions compatible with SORTA back office systems.
- The SORTA contract with Delta Manufacturing for the provision of a Wheel Truing Machine (WTM) continues with design for integration of the WTM into the maintenance facility being finalized. SORTA anticipates delivery of the machine to Cincinnati for installation into the MOF in June 2015.



6.0 SORTA ACTIVITIES

6.4 Safety & Security Certification

- Weekly Safety and Security Review Committee (SSRC) meetings were held in May. In addition to continued resolution of issues, efforts were focused on public communications outreach and coordination of safety communications between the City and SORTA.
- A special Fire Life Safety and Security Committee (FLSSC) meeting was held with Duke Electric and Gas to provide additional information and discuss safety impacts of Duke maintenance activities around the streetcar overhead contact system (OCS) which provides the electrical power to the streetcar.
- SORTA anticipates the required CAF vehicle safety and security design review and audit to now be conducted in June, 2015. CAF USA has provided an update of the required documentation indicating that it will be transmitted to the City and SORTA during the first week of June 2015.



6.4 SAFETY & SECURITY CERTIFICATION



OCS Safety Briefing for Duke Energy Overhead Systems

6.0 SORTA ACTIVITIES

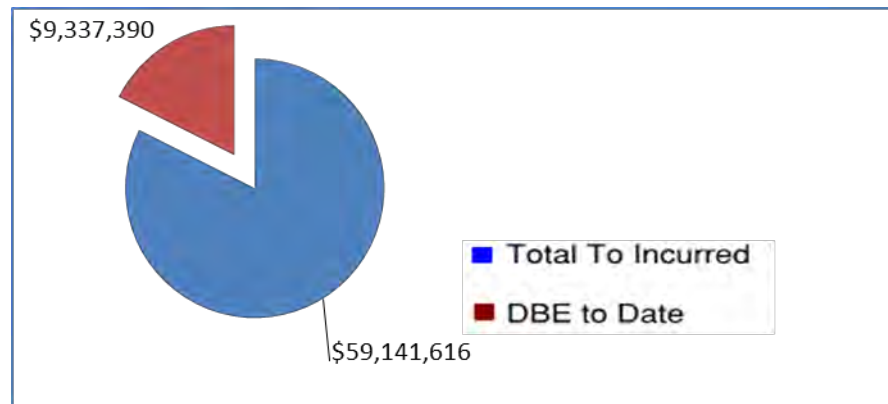
6.5 Upcoming SORTA Board of Trustees Actions

- Amendment #6 of Streetcar Inter-Governmental Agreement for purchase of Fare Collection and Miscellaneous Information Technology and Telephone Equipment for the Cincinnati Streetcar (March 2015); APPROVED
- Award of contract for Streetcar Fare Collection Equipment (March 2015); APPROVED
- Information Item regarding costs and associated impact to streetcar operations and maintenance budget for highest scoring turnkey scenario contract and highest scoring management scenario contract under RFP 43-14 Streetcar Operations and Maintenance Services for transmittal to the City of Cincinnati (anticipated June 2015);
- Award of contract for Streetcar Operations & Maintenance Services and associated agreements (anticipated July 2015).



7.0 DBE & INCLUSION

- MPD reports a DBE Spend To Date: 15.8%, below the target of 18%.
- The City will continue to monitor MPD's reporting and performance against the DBE goal and seek ways to maximize DBE spending.
- MPD reports that work could still on track to meet the DBE sub-contracting goal of 18% at the time of final billing because of remaining work.
- Based on notification from ODOT to the City regarding federally funded highway contracts, the City and SORTA have concern regarding DBE certification of one of MPD's subcontractors for certain work types which could affect the final DBE percentage. The City and SORTA are in discussions with both MPD and FTA and have requested a detailed response from MPD on subcontractors and work classifications.



7.0 DBE & INCLUSION

7.1 Workforce Inclusion Compliance

- City requirements under the contract establish workforce inclusion goals for MPD as well. The City requirements establish inclusion goals for the contractor's aggregate workforce in Hamilton County throughout the term of the contract. The chart below summarizes hours worked on the contract (Actual) as well as the countywide workforce inclusion goals (Goal):

Minority & Female Utilization		
	<u>Actual</u>	<u>Goal</u>
Minority Hours	18.4%	11.9%
Female Hours	3.9%	6.9%
Minority Female	66.0%	50.0%

8.0 FEDERAL OVERSIGHT ACTIVITIES

- SORTA and the City hosted a visit from Eric Madison, FTA Headquarters Transit Safety Office. He familiarized himself with the project processes and construction progress including a tour of the line and the MOF.
- All activities undertaken by the project have to date met Federal Transit Administration rules and regulations.
- The City and SORTA each have responsibility for ensuring that the project adheres to FTA guidelines governing such areas as procurement, project management, financial management, operations and maintenance, Buy America, and safety and security certification.
- Project staff responded to various requests for information from FTA and the PMOC throughout the reporting period.
- The Monthly Review Meeting took place in Cincinnati on May 13, 2015, with participation by the FTA Regional Office personnel, the PMOC, SORTA, and the City. No new significant work items were identified.



8.0 FEDERAL OVERSIGHT ACTIVITIES

Eric Madison from the Office of Transit Safety, FTA Headquarters, with Paul Grether, Rail Services Director, and Chris Eilerman, Project Manager, in the MOF Electrical Room



Through: May 21, 2015

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	REASON	Status	AMOUNT (5/28/15)
1	Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	DUE TO CITY COUNCIL DELAY IN CONTRACT AWARD	Complete	\$ 492,933.00
2	Construction	Unallocated Contingency	MPD	Change Order	2	1/14/2014	Delay costs appropriated by City Council for Council-mandated "pause"	DUE TO CITY COUNCIL MANDATED PAUSE DEC 2013	Complete	\$ 100,000.00
3	Construction	Unallocated Contingency	MPD	Change Order	3	1/28/2014	Adds for additional potholing and prevailing wage; credits for sewer manhole redesign and removal of communication conduits	field conditions, design modifications	Complete	\$ 359,745.00
4	Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	field conditions, design modifications	Complete	\$ 15,791.64
5	Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	field conditions, design modifications	Complete	\$ 3,571.00
6	Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	field conditions, design modifications	Complete	\$ 6,825.00
7	Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	field conditions, design modifications	Complete	\$ 32,290.65
8	Construction	Allocated Contingency	MPD	Contingency Allocation	5	1/30/2014	Cast iron detectable warning; add. Geopiers; dielectric membrane; MOF conditions, others	field conditions, design modifications	Complete	\$ 31,309.00
9	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	10/21/2013	Materials testing	additional consultant support	Complete	\$ 108,594.50
10	Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	DUE TO CITY COUNCIL MANDATED PAUSE DEC 2013	Complete	\$ 250,000.00
11	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	8/30/2013	Schedule review support	additional consultant support	Complete	\$ 60,728.00
12	Construction	Unallocated Contingency	MPD	Change Order	4	4/7/2014	Revised underground conduit crossings: revised OCS poles; revised Trapeze allowance;MOF vehicle APS changes;	field conditions, design modifications	Complete	\$ 265,211.25
13	Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	DUE TO CITY COUNCIL MANDATED PAUSE DEC 2013	Complete	\$ 637,108.00
14	Design	Unallocated Contingency	PB	Certification	N/A	8/25/2014	Additional construction support work needed	additional consultant support	Complete	\$ 608,948.31
15	Construction	Unallocated Contingency	MPD	Change Order	6	7/22/2014	Water Works design changes	design modifications	Complete	\$ 313,782.44
16	Construction	Allocated Contingency	MPD	Contingency Allocation	6	4/24/2014	Misc. MOF mods, telecomm conduit for MOF, GCWW force acct., Cent. Pkwy. Irrigation	field conditions, design modifications	Complete	\$ 79,870.00
17	Construction	Allocated Contingency	MPD	Contingency Allocation	7	5/9/2014	WTM conduit; Findlay dielectric membrane; Elm St. mill	design modifications	Complete	\$ 52,503.00
18	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	7/22/2014	Task 4 - Schedule review support through MOF completion	additional consultant support	Complete	\$ 68,854.00
19	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	7/31/2014	Electrical service installation costs	field conditions	Complete	\$ 200,000.00
20	Construction	Allocated Contingency	MPD	Contingency Allocation	8	7/22/2014	basement encroachment, cellar door, GCWW force acct.,manhole mods	field conditions, design modifications	Complete	\$ 130,151.00
21	Construction	Allocated Contingency	MPD	Contingency Allocation	9	10/1/2014	various MOF, sewer, GCWW , other revisions,	field conditions, design modifications	Complete	\$ 301,038.40
22	Construction	Allocated Contingency	MPD	Contingency Allocation	10	11/17/2014	Contingency Allocation #10	field conditions, design modifications	Complete	\$ 210,137.50
23	Unallocated Contingency	Unallocated Contingency	DELTA Mfg.	Certification	N/A	11/17/2014	Wheel Truing Machine	design modifications	Complete	\$ 606,000.00
24	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Submitted ECI's from MPD	potential field conditions, design mods	Pending	\$ 128,093.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated ECI's from MPD	potential field conditions, design mods	Pending	15,000.00
26	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	TPSS# 2 and 3 screenwall changes	potential design mods	Estimated	
27	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Spare Switch Points	potential design mod/Capital Equipment Needs	Estimated	\$ 40,000.00
28	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Cameras and Alarm?	Safety & Security Needs	Estimated	200,000.00
29	City Project Administration	Unallocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	additional staff time	Pending	\$ 977,436.10
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	additional staff time	Pending	190,800.63
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Telecomm wiring	design modifications	Estimated	
32	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Ford Force Account	field conditions	Estimated	10,000.00
33	Vehicles	Allocated Contingency	LTK	Certification	N/A	TBD	LTK - Additional Staff Time	additional consultant support - RESULT OF COUNCIL MANDATED STOP WORK ORDER	Pending	1,000,000.00
34	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	TBD	Duke hookup costs	Energy costs during construction	Estimated	\$ 130,000.00
35	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Additional Quantities Needed	Unforeseen Conditions	Estimated	\$ 525,000.00
36	Unallocated Contingency	Unallocated Contingency	TBD	Certification	N/A	TBD	Misc. MOF fit out needs, WTM mods	Truck, computers, office equipment etc.	Estimated	\$ 200,000.00
37	Construction	Unallocated Contingency	TBD	Certification	N/A	TBD	Bike Racks, pervious concrete	potential design modification	Estimated	
38	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	Task 5	2/12/2015	Schedule review support Task 5	additional consultant support	Complete	\$ 71,242.00
39	Construction	Allocated Contingency	MPD	Contingency Allocation	11	1/7/2015	Partial depth repair, handrail on Race, misc. items	field conditions	Complete	\$ 56,592.02
40	Construction	Unallocated Contingency	MPD	Change Order	7	3/18/2015	Lifting Jacks settlement, Owner-supplied Equipment mod., TPSS negative drainage conduit	design mods., claim settlement	Complete	\$ 67,630.00

Through: May 21, 2015

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	REASON	Status	AMOUNT (5/28/15)
41	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Station Stop mods for TVM installation	design modifications	Estimated	\$ 180,000.00
42	Unallocated Contingency	Unallocated Contingency	TBD	TBD	TBD	TBD	12th & Race Overhead Light modification	resolve conflict due to moving OH poles	Estimated	
43	Construction	Unallocated Contingency	MPD	Change Order	8	3/20/2015	TPSS Screenwall changes		Complete	\$ 19,973.66
44	Construction	Allocated Contingency	MPD	Contingency Allocation	12	TBD	MOF prox readers, wayside power changes Ford FA, Type 3 waterproofing, other misc. field issues		Complete	\$ 267,924.00
45	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	3/24/2015	Additional materials testing		Complete	\$ 20,000.00
46	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Central Parkway /Walnut OCS conflicts		Estimated	\$ 20,000.00
47	Construction	Unallocated Contingency	MPD	Contingency Allocation	N/A	TBD	Traffic Boom Arm Bolt Pattern conflict	traffic boom arm bolt pattern conflict - designmod	Estimated	\$ 23,915.00
48	Construction	Allocated Contingency	MPD	Contingency Allocation	13	TBD	special concrete finsihing on Main, wayfinding on 2nd, MOF tread ladder, Oil./Water separator, additional sewer manhole, ped pole mods, Ford FA through Jan 2015	field conditions, design mods	Complete	\$ 120,408.11